

A13  
a second hinge member mounted to undergo rotational movement between a locked state and an unlocked state relative to the first hinge member;

a biasing member connecting the second hinge member to the first hinge member and biasing the second hinge member in a direction of rotation toward the unlocked state of the second hinge member;

a latch pin mounted on one of the first hinge member and the second hinge member; and

a cavity formed in the other of the first hinge member and the second hinge member for receiving therein the latch pin to place the second hinge member in the locked state.

14. A hinge assembly according to claim 13; wherein the cavity is formed in the first hinge member and the latch pin is mounted on the second hinge member.

15. A hinge assembly according to claim 14; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the cavity of the first hinge member so that the second hinge member is biased by the biasing member toward the unlocked state.

16. A hinge assembly according to claim 15; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

17. A hinge assembly according to claim 13; wherein the cavity is formed in the first hinge member and the latch pin is movably mounted in a bore formed in the second hinge member, the bore having an open end; and further comprising a biasing member disposed in the bore of the second hinge member for biasing the latch pin toward the open end of the bore.

18. A hinge assembly according to claim 17; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the cavity of the first hinge member against the bias of the biasing member disposed in the bore of the second hinge member so that the second hinge member is biased by the biasing member toward the unlocked state.

19. A hinge assembly according to claim 18; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

20. A hinge assembly for rotationally mounting a rotational member to a body member, the hinge assembly comprising:

a first hinge member securable in use of the hinge assembly to a body member, the first hinge member having a peripheral surface, a slot formed in the peripheral surface, and a cavity formed in the peripheral surface and disposed in communication with the slot;

ALB  
a second hinge member securable in use of the hinge assembly to a rotational member for rotation therewith between a locked state and an unlocked state of the rotational member relative to the body member, the second hinge member having a peripheral surface and a bore having an open end and formed in the peripheral surface;

a first biasing member connecting the second hinge member to the first hinge member and biasing the second hinge member and the rotational member in a direction of rotation towards the unlocked state of the rotational member;

a latch pin movably mounted in the bore of the second hinge member;

a second biasing member disposed in the bore of the second hinge member for biasing an end portion of the latch out of the open end of the bore and into the cavity of the first hinge member to place the rotational member in the locked state; and

a push mechanism disposed in the slot of the first hinge member for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the cavity of the first hinge member when the rotational member is in the locked state so that the rotational member is biased by the first biasing member towards the unlocked state.

21. A hinge assembly according to claim 20; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

22. A hinge assembly according to claim 20; wherein the rotational member is formed of a hard material.

23. A hinge assembly according to claim 20; wherein the second hinge member comprises a convex portion having the bore; and wherein the first hinge member comprises a concave portion having the cavity and confronting the convex portion of the second hinge member.

24. In combination with a portable electronic apparatus having a main body and at least one strap member for mounting the main body to an arm of a user, a hinge assembly comprising:

a first hinge member integrally connected to the main body;

413  
a second hinge member integrally connected to the strap member and connected to the first hinge member for relative pivotal movement therewith to pivot the strap member between a locked state and an unlocked state relative to the main body;

a biasing member connecting the second hinge member to the first hinge member and biasing the second hinge member in a direction of rotation toward the unlocked state of the strap member;

a latch pin mounted on one of the first hinge member and the second hinge member; and

a cavity formed in the other of the first hinge member and the second hinge member for receiving therein the latch pin to place the strap member in the locked state relative to the main body.

25. A combination according to claim 24; wherein the cavity is formed in the first hinge member, and the latch pin is mounted on the second hinge member.

26. A combination according to claim 25; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the

cavity of the first hinge member so that the second hinge member is biased by the biasing member to pivot the strap member to the unlocked state.

27. A combination according to claim 26; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

28. A combination according to claim 24; wherein the cavity is formed in the first hinge member and the latch pin is movably mounted in a bore formed in the second hinge member, the bore having an open end; and further comprising a spring member disposed in the bore of the second hinge member for biasing the latch pin toward the open end of the bore.

29. A combination according to claim 28; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the cavity of the first hinge member against the bias of the spring member disposed in the bore of the second hinge member so that the second hinge member is biased by the biasing member to pivot the strap member to the unlocked state.

30. A combination according to claim 29; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

31. A combination according to claim 24; wherein the second hinge member comprises a convex portion having the bore; and wherein the first hinge member comprises a concave portion having the cavity and confronting the convex portion of the second hinge member.

AB 32. A combination according to claim 24; wherein the portable electronic apparatus can be mounted on the arm of the user in the locked state of the band and removed from the arm of the user in the unlocked state of the band.

33. A combination according to claim 24; wherein the portable electric apparatus comprises a portable communication apparatus.

34. A combination according to claim 24; further comprising a microphone and a speaker disposed in the band.

35. In combination with a portable electronic apparatus having a main body and a pair of strap members for mounting the main body to an arm of a user, a hinge assembly comprising: a pair of hinge units each for rotationally

AB  
mounting respective ones of the strap members to the main body, each of the hinge units having a first hinge member integrally connected to the main body, a second hinge member integrally connected to a respective one of the strap members and connected to the first hinge member for relative pivotal movement therewith to pivot the respective one of the strap members between a locked state and an unlocked state relative to the main body, a biasing member connecting the second hinge member to the first hinge member and biasing the second hinge member in a direction of rotation toward the unlocked state of the respective one of the strap members, a latch pin mounted on one of the first hinge member and the second hinge member, and a cavity formed in the other of the first hinge member and the second hinge member for receiving therein the latch pin to place the respective one of the strap members in the locked state.

36. A combination according to claim 35; wherein the cavity is formed in the first hinge member, and the latch pin is mounted on the second hinge member.

37. A combination according to claim 36; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity



of the first hinge member to push the latch pin out of the cavity of the first hinge member so that the second hinge member is biased by the biasing member to pivot the respective one of the strap members to the unlocked state.

38. A combination according to claim 37; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

39. A combination according to claim 35; wherein the cavity is formed in the first hinge member and the latch pin is movably mounted in a bore formed in the second hinge member, the bore having an open end; and further comprising a spring member disposed in the bore of the second hinge member for biasing the latch pin toward the open end of the bore.

40. A combination according to claim 39; wherein the first hinge member has a slot communicating with the cavity; and further comprising a push mechanism disposed in the slot for undergoing movement therein and into the cavity of the first hinge member to push the latch pin out of the cavity of the first hinge member against the bias of the spring member disposed in the bore of the second hinge member so that the second hinge member is biased by the biasing member to pivot the respective one of the strap member to the unlocked state.

41. A combination according to claim 40; wherein the push mechanism comprises a button member, and a pin member connected to the button member and extending into the cavity of the first hinge member for contacting the latch pin.

42. A combination according to claim 35; wherein the second hinge member comprises a convex portion having the bore; and wherein the first hinge member comprises a concave portion having the cavity and confronting the convex portion of the second hinge member.

43. A combination according to claim 35; wherein the portable electronic apparatus can be mounted on the arm of the user in the locked state of the strap members and removed from the arm of the user in the unlocked state of the strap members.

44. A combination according to claim 35; wherein the portable electric apparatus comprises a portable communication apparatus.

45. A combination according to claim 35; further comprising a microphone and a speaker disposed in each of the strap members.